

Title (en)  
A DOOR CLOSER ARRANGEMENT

Title (de)  
TÜRSCHLIESSENANORDNUNG

Title (fr)  
DISPOSITIF DE FERMETURE DE PORTE

Publication  
**EP 3848546 A1 20210714 (EN)**

Application  
**EP 20150903 A 20200109**

Priority  
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Abstract (en)  
The aim of the invention is to achieve a door closer arrangement (1) where the force needed for opening the door (2) is not so substantial. The invention comprises a door closer (6), a slide rail (7), and an arm (8) that connects the door closer with the slide rail. The arrangement comprises also a second rail (9), which is arranged to form a slide slope for the door closer (6) and the auxiliary spring arrangement.

IPC 8 full level  
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Citation (search report)  
• [XA] US 2018002965 A1 20180104 - SAUTER ANDREAS [DE], et al  
• [A] EP 2236717 A2 20101006 - KONE DEURSYSTEMEN B V [NL]  
• [A] US 9238399 B2 20160119 - OKUMA EMIKO [US], et al  
• [A] US 2010223754 A1 20100909 - TOMIOKA KAZUYUKI [JP], et al

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**EP 3848546 A1 20210714; EP 3848546 B1 20231122; US 11598134 B2 20230307; US 2021214981 A1 20210715**

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